

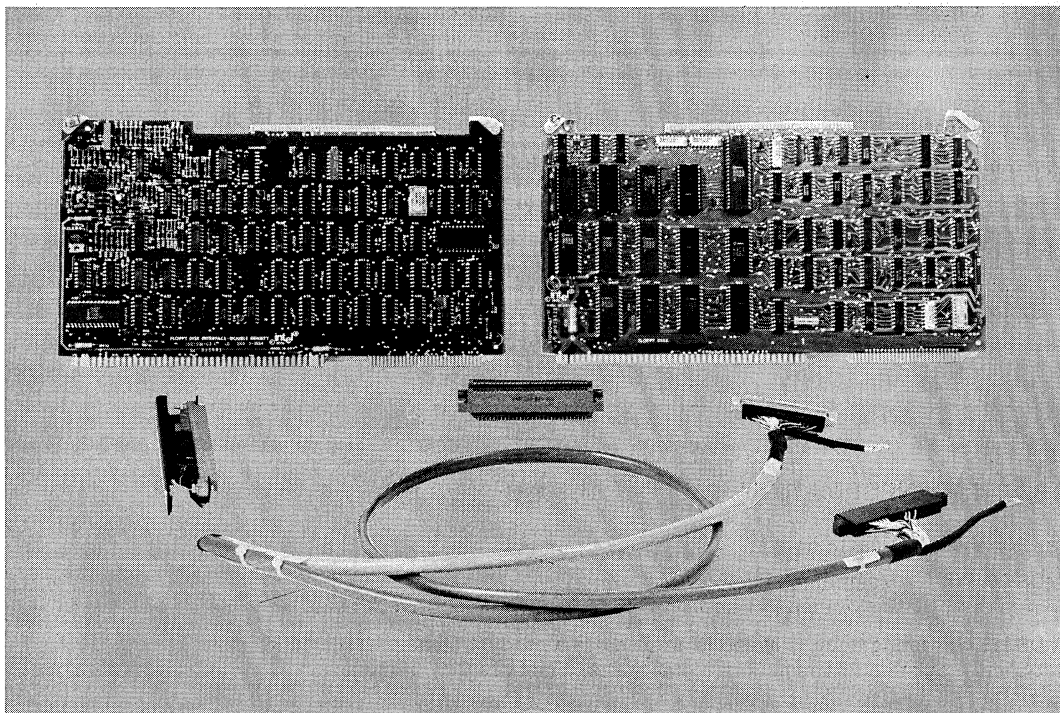


## **MODEL 503**

# **DOUBLE DENSITY UPGRADE KIT FOR INTELLEC® MICROCOMPUTER DEVELOPMENT SYSTEM**

- **Converts integral single density drive of Model 220 or Model 240 system to double density, doubling the data capacity from ¼ to ½ million bytes**
- **Associated software and hardware supports up to three double density drives, providing up to 1½ million bytes in one system**
- **Data recorded on double density flexible disk is in soft sectored format which allows ½ million bytes data capacity with up to 200 files per flexible disk**
- **Provides total data compatibility with other Intellec® Double Density Flexible Disk Systems**

The Double Density Upgrade Kit Model 503 provides an easy, cost effective method to convert the integral single density drive of Model 220 or Model 240 system to double density. In addition to doubling the data capacity, the upgrade kit maximizes the ease of data transportability between Intellec® Double Density Flexible Disk Systems.



## MODEL 503 DOUBLE DENSITY UPGRADE KIT

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### SPECIFICATIONS

#### Equipment Supplied

- Floppy Disk Controller Channel Board
- Double Density Floppy Disk Interface Board

Dual Auxiliary Board Connector  
Double Density Controller Cable  
Double Density Integral Drive Cable  
ISIS-II Double Density System Disk

#### Hardware

Double Density Specified Flexible Disk  
One Recording Surface  
Soft Sector Format M2FM  
77 Tracks/Diskette  
52 Sectors/Track  
128 Bytes/Sector

#### Physical Characteristics

Mounting—Requires two slots of system cardcage

Height— 6.75 in. (17.15mm)  
Width —12.00 in. (30.48mm)  
Depth — 0.50 in. (1.27mm)

### Electrical Characteristics

#### Channel Board

5V @ 3.75 (typ), 5A (max)

#### Interface Board

5V @ 1.5A (typ), 2.5A (max)  
-10V @ 0.1A (typ), 0.2A (max)

### Environmental Characteristics

#### Controller Boards

##### Temperature:

Operating: 0 to 55°C  
Non-Operating: -55°C to 85°C

##### Humidity:

Operating: Up to 95% relative humidity without condensation  
Non-Operating: All conditions without condensation of water or frost.

### Reference Manuals

DOS Hardware Reference Manual	9800422
Reference Schematics	9800425
Installation Instructions	121505

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### ORDERING INFORMATION

Part Number	Description
MDS-503*	Integral drive single density to double density upgrade kit

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